

Exhibit B-2. Closure Cost Estimate Worksheet for Used Oil Reclamation Facility, Safety-Kleen Systems, Inc. Service Center, Salt Lake City, UT (5/03)

	Activity	Category	Hourly Rate or Unit Charge	Hours or Unit Estimate	Subtotal (Includes 10% Markup for Subcontractors)
1.	PROJECT COORDINATION AND SCHEDULING				
	<u>Prime Contractor Costs</u>				
	- Obtain subcontractor quotes to implement closure activities	Project Manager	\$92	6	\$552
	- Coordinate scope and schedule of project activities with owner/operator, decontamination contractor, regulatory agencies and analytical laboratory	Project Manager	\$92	4	\$368
	- Review facility permit and closure plan	Project Engineer	\$78	3	\$234
		Field Supervisor	\$60	6	\$360
	- Prepare project/site specific Health and Safety Plan	Health/Safety Specialist	\$78	6	\$468
	- Participate in on-site coordination and orientation meeting with owner/operator and decontamination contractor	Project Manager	\$92	2	\$184
	- Prepare project activity and project status reports	Project Manager	\$92	4	\$368
	- Office Expenses		\$100	1	\$100
	- Miscellaneous Expenses		\$100	1	\$100
	Activity 1. Subtotal				\$2,734
2.	MOBILIZE TO SITE AND PREPARE FOR CLOSURE				
	<u>Assumptions</u>				
	- Used Oil facility consists of three rail cars, with average rail car volume per load of 22,500 gallons. Assume all three cars are full of oily water (non-hazardous), with no resale value (worst case scenario).				
	- Used oil/water waste transported to RRTA via rail. Unit cost is based on T&D per rail car of \$6,409/car.				
	- Generator knowledge used for disposal/treatment of used oil waste (i.e. no sampling required). However, analysis of 2 waste characterization samples is included as a conservative measure.				
	- Waste haulers costs to transport drums to reclaimer based on RS Means. Documentation of unit costs provided in notes at the end of the cost estimate				
	- Prime Contractor per diem includes rental car, room and meals				
	- Subcontractor costs include labor and all expenses to complete each task				
	- Total time on site is 4 days for decontamination and sampling.				
	<u>Owner/Operator Costs</u>				
	- Closure project supervision and oversight	Remediation Manager	\$1,000	LS	\$1,000
	<u>Prime Contractor Costs</u>				
	- Project Management and Supervision	Project Manager	\$92	2	\$184
	Mobilize to site/ supervise railcar cleaning	Field Supervisor	\$60	10	\$600
		Travel	\$750	1	\$750
		Per diem	\$150	4	\$600
	- Collect representative waste characterization sample of railcar wastes	Field Supervisor	\$60	1	\$60
		Supplies/Shipping	\$150	1	\$150
	<u>Subcontractor Costs</u>				
	- Transport used oil/oily waste to a TSD for treatment/disposal via rail.				
	Estimated treatment/disposal cost (per railcar) at RRTA	TSD/per rail car	\$6,409	3	\$19,227
	<u>Laboratory Subcontractor Costs</u>				
	- Waste characterization sample analysis				
	Waste characterization analysis to consist of TCLP VOCs, SVOCs and Metals		\$627	2	\$1,379
	Activity 2. Subtotal				\$23,950

3. RAIL CAR DECONTAMINATION (Assumes three 27,000-gallon cars)

Assumptions:

- Rinsate sampling is not necessary.
- Prime Contractor field supervisor travel is accounted for in above activity
- Prime Contractor per diem includes rental car, room and meals, and is accounted for in above activity.
- Assumes collection of 2 soil samples from in vicinity of rail cars is necessary
- Subcontractor costs include labor and all expenses to complete each task

Prime Contractor Costs

- Project Management and Supervision	Project Manager	\$92	2	\$184
- Supervise Rail Car Decontamination Activities	Field Supervisor	\$60	30	\$1,800
- Inspect surface in vicinity of rail car loading area for evidence of spills/leakage	Field Supervisor	\$60	2	\$120
- Collect soil samples	Field Supervisor	\$60	4	\$240
	Sample supplies/shipping	\$150	LS	\$150

Subcontractor Costs

- Decontaminate 3 rail cars	Foreman/labor/equipment	\$5,900	LS	\$6,490
Wash/triple rinse tank , piping and containment with high pressure spray				
Remove wash/rinse water, containerize in drums				
Cost for transportation and wash water disposal included in activity 5 below				

Laboratory Subcontractor Costs

- Analyze 2 soil samples for VOCs, SVOCs, and Metals

VOCs @ \$100/sample				
SVOCs @ \$210/sample				
Metals @ \$90/sample				
EnCore Sample Container @ \$24/sample x 2/sample				
Total per sample cost	\$448	2		\$986

Activity 3. Subtotal \$9,970

4. DECONTAMINATE CLEANUP EQUIPMENT (If Necessary)

Assumptions:

- Decontamination of Cleanup Equipment is not anticipated to be necessary. Equipment used to remove waste units will only be used following decontamination of the unit (i.e. equipment will not come into contact with hazardous waste). Other cleanup equipment such as pressure washers will be cleaned during decontamination of each respective unit.
- If performed, washing of cleanup equipment shall consist of a high-pressure detergent/water solution and triple rinsing with tap water

Prime Contractor Costs

- Supervise washing of cleanup equipment	Field Supervisor	\$60	4	\$240
	Per diem	\$150	0.5	\$75

Subcontractor Costs

- Construct decon area with 6ml plastic sheeting and 4" absorbent berm	Foreman/labor/equipment	\$500	LS	\$550
- Decontaminate cleanup equipment				
Assumes decontamination with detergent/water solution, and scrubbing with brooms, mops, etc.,				
and triple rinsing with high pressure spray. Wash/rinse water containerized and transferred to drums				
Cost for transportation and disposal of drums included in Activity 8 below.				

Activity 4. Subtotal \$865

5. CONTAINERIZE, STAGE, TRANSPORT AND DISPOSE OF DECONTAMINATION WASTES

Assumptions:

- 3000 gallons wash water generated from decontamination of rail cars (including residual sludge)
- Waste characterization samples not necessary for wash/water disposal (wash water from used oil reclamation facilities disposed as oily waste)

Prime Contractor Costs

- Coordinate pick up and disposal	Project Manager	\$92	2	\$184
	Field Supervisor	\$60	4	\$240

Subcontractor Costs

- Transfer of decon waste to rail car	Foreman/labor/equipment	\$0	LS	\$0
(no charge, included in above costs)				
- Transportation and Disposal of decon waste				
Bulk disposal of non-hazardous oily water (assumes bulked in rail car) TSD- RRTA, Phoenix, Arizona	\$0.28	3000		\$840
at \$0.28/gallon per pricing in notes.				

Activity 5. Subtotal \$1,264

6. CLOSURE CERTIFICATION REPORT

Assumptions:

- CLOSURE CERTIFICATION REPORT certified by an Utah-registered PE and S-K

Prime Contractor Costs

- Compile field notes and photographs	Project Manager	\$92	2	\$184
	Project Engineer	\$78	2	\$156
- Compile rinsate and soil sample data into summary tables	Project Manager	\$92	2	\$184
	Project Engineer	\$78	4	\$312
- Draft Closure Certification Report	Project Manager	\$92	4	\$368
	Project Engineer	\$78	8	\$624
- Prepare closure certification statement	Sr. Project Engineer	\$115	2	\$230
- Office Expenses	Drafting/Clerical	\$400	1	\$400
- Miscellaneous Expenses	Copying/Postage	\$100	1	\$100

Activity 6. Subtotal **\$2,558**

COST ESTIMATE ACTIVITIES SUMMARY

1.	PROJECT COORDINATION AND SCHEDULING	\$2,734
2.	MOBILIZE TO SITE AND PREPARE FOR CLOSURE	\$23,950
3.	RAIL CAR DECONTAMINATION (Assumes three 27,000-gallon cars)	\$9,970
4.	DECONTAMINATE CLEANUP EQUIPMENT (If Necessary)	\$865
5.	CONTAINERIZE, STAGE, TRANSPORT AND DISPOSE OF DECONTAMINATION WASTES	\$1,264
6.	CLOSURE CERTIFICATION REPORT	\$2,558
TOTAL CLOSURE COST ESTIMATE - Oil Reclamation		\$41,341

Notes:

- Prime Contractor Rates obtained from TriHydro Corporation 2003 Schedule of Charges
- Subcontractor prices provided by Evans Environmental Construction, Glenwood, Iowa
- Laboratory Subcontractor Rate Obtained From Analytical Service, Inc. (Norcross, Georgia) Schedule of Charges
- Waste used oil and water treatment/disposal unit cost based on 2003 actual average costs for waste disposal at RRTA per rates below.

Activity	Cost	Unit
Per Rail Car Rate from SLC to RRTA, Phoenix, AZ	\$2,140	/load
Average Rail Car Volume per Load	22,500	gal/load
Average Portion Liquid	94%	
Distance from SLC to RRTA (note: road miles)	819	mi.
Disposal Cost at RRTA: Liquids	\$0.13	/gal
Disposal Cost at RRTA: Solids	\$0.44	/gal
Rail Drayage Fee at RRTA	\$0.03	/gal
Additional Labor per Load at RRTA	\$250	/load
Total T&D per Rail Car	\$6,409	
Total T&D per Gallon	\$0.28	
Total T&D per Mile	\$7.82	